

**ABSTRACT OF THE DISCLOSURE**

A composition comprising, in a physiologically acceptable medium, at least one film-forming polymer and at least one thermal transition agent which undergoes a change of state at a transition temperature  $T_t$  chosen within a temperature range from 25°C to 80°C, the at least one thermal transition agent being insoluble in water maintained at a temperature below the transition temperature,  $T_t$ , the at least one film-forming polymer and the at least one thermal transition agent are present in an amount which is sufficient so that the composition is capable of forming a film at the temperature of a keratinous material to which the composition is applied, wherein the film has a resistance ( $R_c$ ) to hot water (40°C) of less than or equal to 15 minutes and a resistance ( $R_f$ ) to cold water (20°C) such that  $R_f - R_c \geq 8$  minutes. The invention also relates to a cosmetic care or make-up process for a keratinous material. The composition makes it possible to obtain a film which is resistant to cold water and which can be removed simply with hot water.

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